

Preparation of Cost Models, Metrics, and Return On Investments (ROI)

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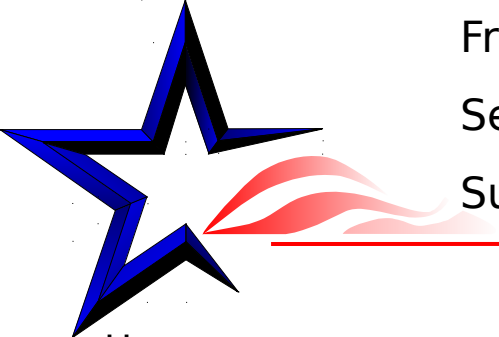


Mission First... Sailors Always



Introduction

- Balanced Scorecard
- Preparation of Cost Models, Metrics, and Return On Investments (ROI)
 - Metrics
 - Costing Models
 - Return on Investments
- Program Review
 - Program Description
 - Background
 - Costing Methodology
 - Program Assessment
 - Alternatives
 - Return on Investment
- Summary



From: Clark, Vern ADM
Sent: Thursday, November 06, 2003 13:51
Subject: Echelon II Visit Feedback



Here are some areas that I'd like all of us to focus additional attention on:

- * Metrics - We need to focus on getting the right metrics to help us drive performance. During my visits I have seen volumes of measures and metrics. We need to ask ourselves what are those few salient things that, if really focused on, will dramatically improve our performance. We then need to determine how best to measure those areas and drive the desired behavior. The keys are determining the right metrics, benchmarking internally and externally, and then making the results visible. A valuable outcome of making results visible is the sense of competition that is created.
- * ROI - This is an area where we are struggling the most. We need to know that we are making the right type and level of investment. We have made some progress in understanding what we are investing in and have even made progress in understanding the output of our processes. However, we are struggling to link the two. We need to model how increases or decreases in investments (people, dollars, technology) will change the output. Every decision needs to be scrutinized in terms of cost and expected benefit. no return, no investment. And we need to start thinking about "benefits" differently. benefits should be evaluated in terms of meeting essential enterprise requirements.
- * Innovation - I have been very impressed with the innovation and dedication of our people. We need to develop structures and processes that unleash the genius of our people. We need to make it easy for people at all level to get their ideas heard, evaluated and implemented as appropriate. Embracing and acting on ideas for improving performance or introducing efficiencies provides a strong motivation for our people to excel, and invest them more deeply in meeting organizational objectives.

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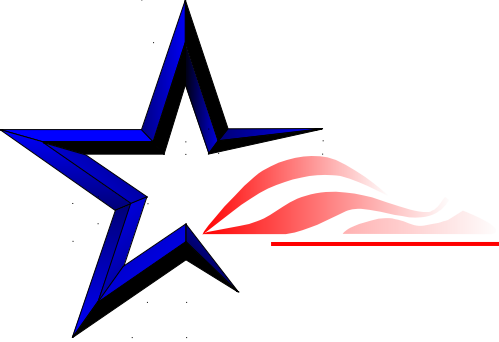
Admiral Says Navy Must Practice Fiscal Restraint

NORFOLK — Sent here to find ways to save money without cutting into the service's combat power, Adm. William J. "Fox" Fallon has earned a reputation as a "penny pincher" in his first year as the commander of fleet forces.

That's what has allowed him to find about \$3 billion in potential savings for next fiscal year and possibly up to \$15 billion in the next six years. It will only come, Fallon has told the admirals responsible for the Navy's ships, submarines and airplanes, if they find yet more efficiencies in operations, even if it means taking risks.

"I told them to look at everything they did," Fallon said, "to examine procedures and routine activities, such as flying and steaming days, training activities, and the processes within the staffs." To help reinforce the need for fiscal constraint at sea, he is sending ship captains and squadron skippers back to school. Through an eight-hour executive-level course, they're taught why it is important to shave fuel costs or end the purchase of needless spare parts. "The object is to get people into the business of thinking about the cost of operating," he said. "In the fleet, the mindset has been historically to 'Give us a mission and we will execute it and let somebody else worry about the cost,' " he said. "But we have to consider the cost." He wants his leadership to make the changes at the waterfront, instead of having them made in Washington where politics and bureaucracies have traditionally dictated the fleet's course.

"This is a tough go because it is a huge culture change for the institution," Fallon said. Fallon, who acknowledges his reputation as what he calls "a penny-pincher," said the Navy's \$115 billion budget "is a sum I just can't quite fathom." "We clearly ought to be able to operate this fleet and continue to recapitalize, given that amount of money," he said. Fallon, a career aviator who previously was the Navy's vice chief of operations, was sent by the Navy's Washington leadership to the fleet forces post to strengthen the fleet's voice in



N1 Direction

N-MAPS (Balanced Score Card Initiative)



Balanced Score Card



What Does the BSC Do For Us?

- Strategic Management & Measurement Strategy
- Provides Balanced Perspectives Among:
 - Financial and Other Objectives
 - Desired Outcomes, Strategies and Measures of Related Performance Drivers
- Focuses Managers and Employees On Strategic Objectives (N1 Priorities!)
- Links Resource Allocation To Strategy

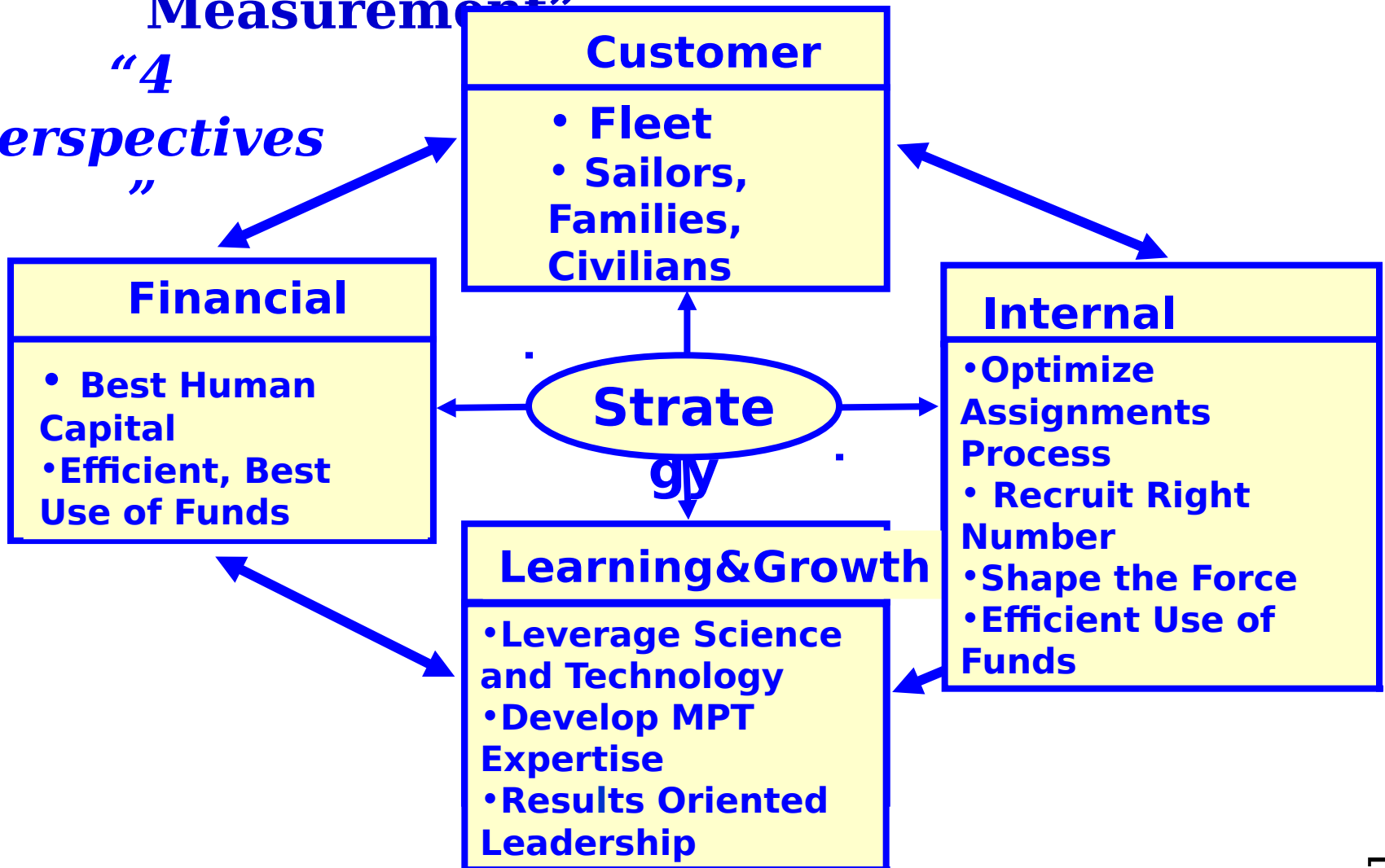
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Balanced Score Card

The Scorecard Balanced Measurement

"4 Perspectives"

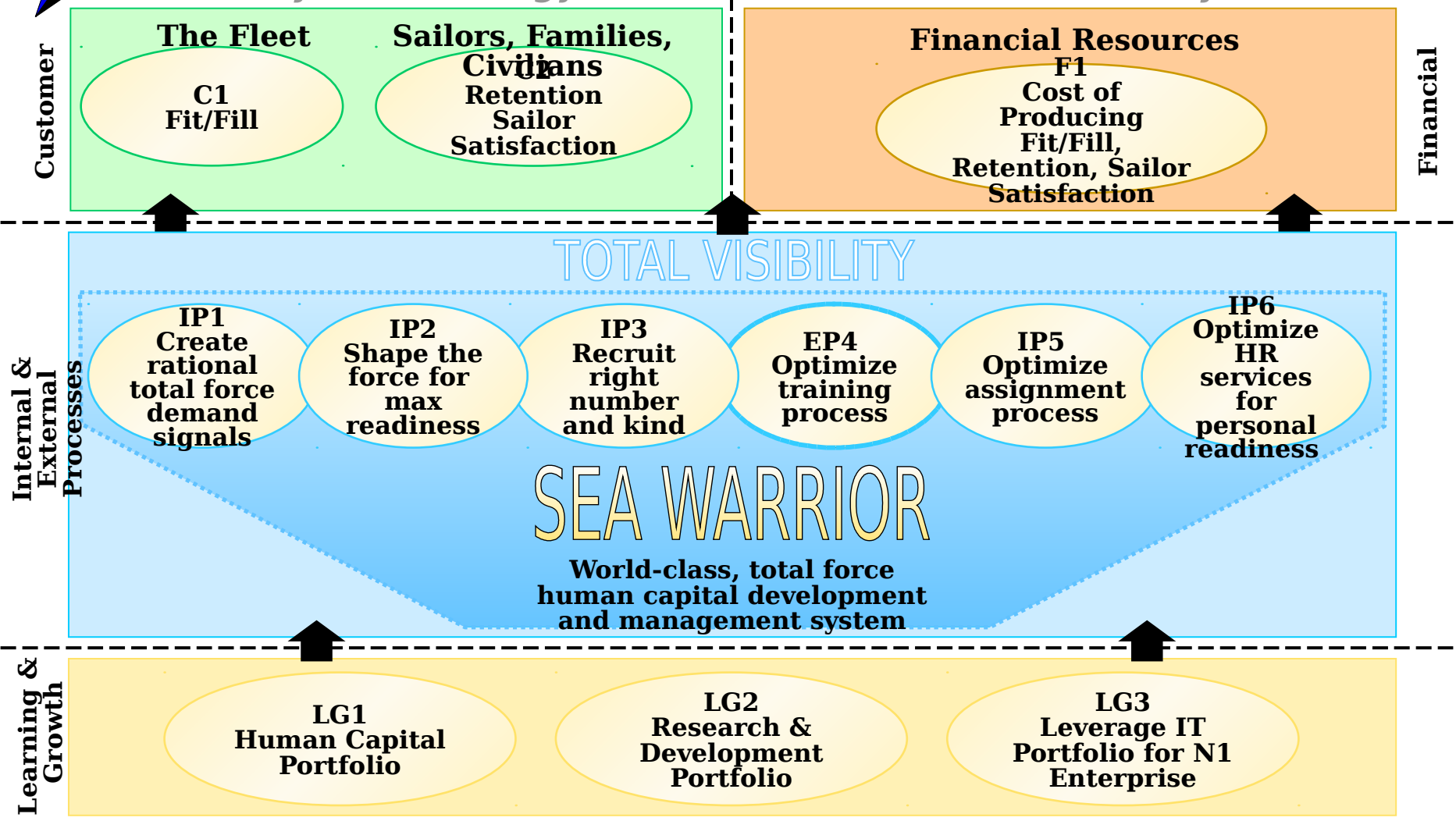




Navy Manpower and Personnel N-MAPS Strategy Map

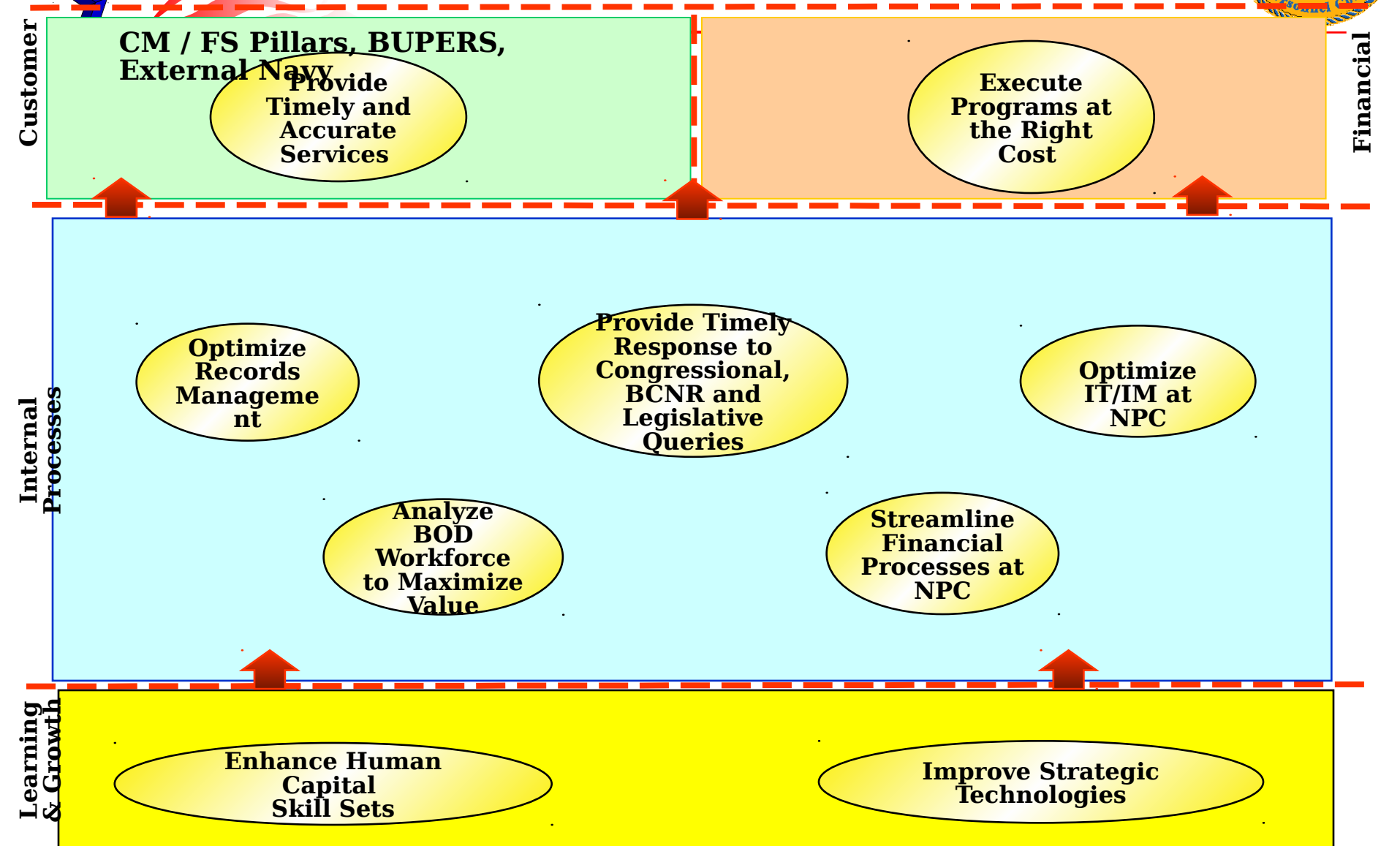


Navy HR Strategy: Mission First ... Sailors Always



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Business Operations Department N-MAPS Strategy Map



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BOD N-MAPS Objectives Definitions



Provide Timely and Accurate Services - Optimize service support for BUPERS, Pillars, and External Navy.
Establish BOD Service Level Agreements for Finance, Human Resources, Administration, and Information Systems.

Execute Programs at the Right Cost - Monitor obligation/expenditure rates relative to program phasing.
Performance Modeling to justify budget requirements. Perform ongoing Program of Record analysis.

Optimize Records Management - Enhance Selection Board Participant support and responsiveness to Congress.

Analyze BOD Workforce to Maximize Value - Optimize Manpower Alignment to core workload requirements.

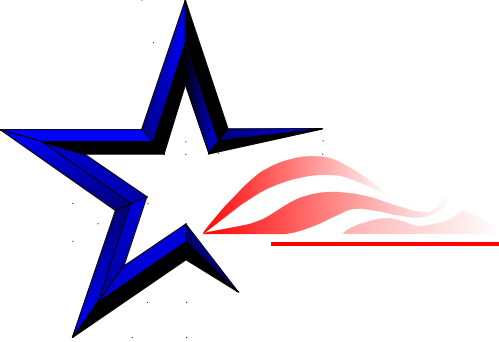
Optimize IT/IM at NPC - Provide optimum legacy system support. Document functional system requirements.
standardized IT Project Management support.

Streamline Financial Process at NPC - Streamline planning, budgeting and execution processes, identify opportunities
for consolidation/reduction and increase use of automated tools (i.e. Budget Builder).

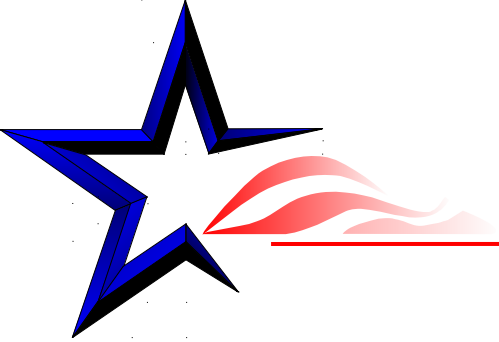
Provide Timely Response to Congressional, BCNR and Legislative Queries - Optimize Quality of Service
to Congressional Inquiries, timely completion of BCNR Record Change Actions, and timely response to
(Advisory Actions).

Enhance Human Capital Skill Sets - Expand Specialized Skills Knowledge of Financial Management personnel
Specialists through advanced training. Reduce skill gaps through job specific skills training for all BOD

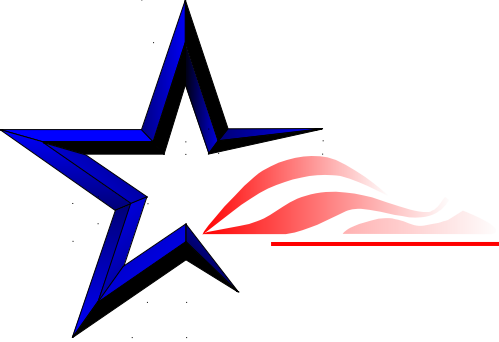
Improve Strategic Technologies - Enhance business processes through the deployment of advanced technologies
applications (EMPRS Refresh/Web enabled FITREP).



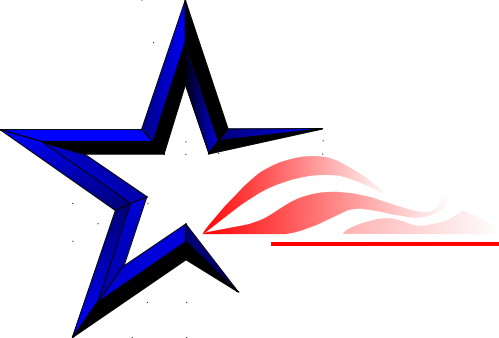
***If you do not
measure it, you
can not manage it!***



Preparation of Metrics, Cost Models, and Return On Investments (ROI)



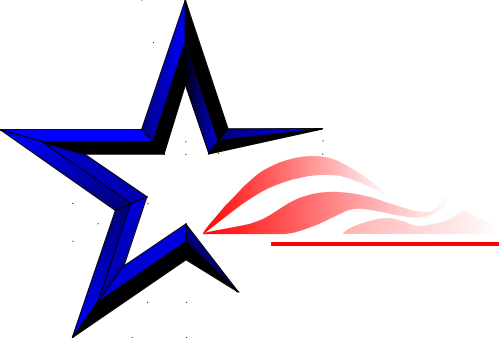
Metrics



Metrics

Types of Metrics

- Performance – typically high level measures of mission accomplishment, efficiency, return/value, etc...primarily for leadership use internally and externally.
- Diagnostic/Process – typically internal focus only, seek to ascertain effectiveness of processes. Diagnostic metrics may be rolled up to function as performance metrics where applicable.



Metrics (cont.)

“Good” metrics should have the following attributes

- Actionable – Metrics should provide the organization with specific indications of issues and steer leadership towards corrective action (e.g. should help identify the root sources of issues.)
- Timely – do not want to end up measuring a lagging indicator
- Feasible – e.g. we can get/measure the data and the cost (opportunity or otherwise) of doing so is relatively small
- Focused – metrics developed should relate directly to the outcome/system they are to measure.
- Controllable – if we can't control/influence the inputs to a metric, it is by definition not actionable (not to say that there aren't things we should track as useful info)



Metrics (cont.)

How do we develop and implement

Step 1.

Identify (and eventually prioritize) desired outcomes (e.g. Satisfy customer needs, fiscal efficiency, increase value of product/service etc...). Obviously, this step is easier said than done. It involves synthesizing all the various customer requirements with CNP/NPC missions (goals & objectives) and constraints.

Step 2.

Identify candidate metrics linked to the outcomes in step one. As discussed previously, these metrics should be controllable at the NPC level.

Step 3.

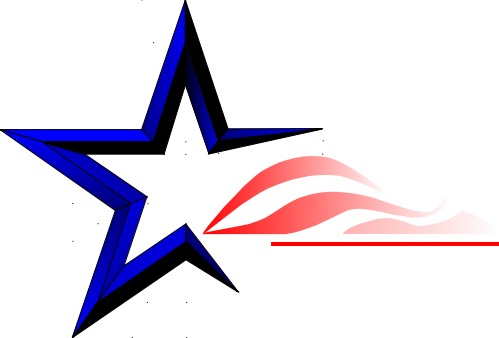
Assign correlations between the metrics and outcomes (e.g. a high correlation if decisions and actions which improve the metric also improve the outcome.)

Step 4.

Prioritize outcomes in terms of mission/organization importance.

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Step 5.



Metrics (cont.)

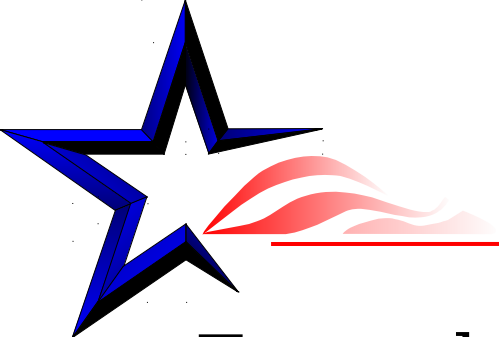


Example of a metrics Template

| Year | Type Actions | Number of actions accomplish ed | Cost | Averag e Cost |
|------|-----------------|--|------|------------------|
|------|-----------------|--|------|------------------|

Note:

Category titles can be changed to reflect what you are specifically measuring with your metrics.

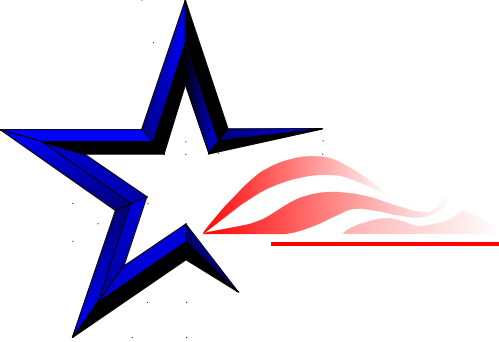


Metrics (cont.)

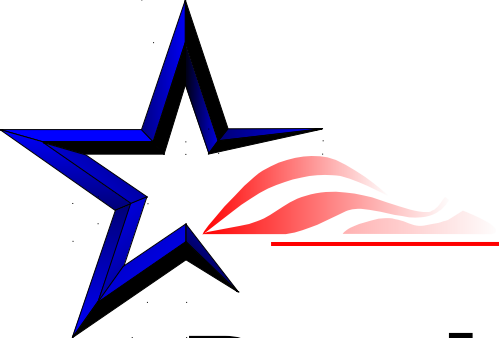
Example of TEMDUINS Metrics

| Fiscal Year | Expended Move Count | Authority Obligations | Average Exp Rate |
|--------------------|----------------------------|------------------------------|-------------------------|
| FY04* | 20,393 | \$36,880,646 | \$1,808 |
| FY03 | 30,481 | \$49,757,698 | \$1,632 |
| FY02 | 30,159 | \$50,633,011 | \$1,679 |
| FY01 | 28,740 | \$42,437,000 | \$1,477 |
| FY00 | 27,256 | \$37,010,000 | \$1,358 |
| FY99 | 29,209 | \$38,166,000 | \$1,307 |

***Current Program of Record (POR), estimated calculations**



Costing Model



Costing Model

Developing a Costing Model

Example of a Costing Model

| Business Process | Resources | Period of Time | Average Expense | Total Cost of Deliverables | Process Cost |
|--|-------------------------------------|----------------------|---|--|------------------------------|
| Number and Type of Key Business Process/Action | Number/Type/ Unit Cost of Resources | Min, Hrs, Days, etc. | Average quantity produced/served/ payments made | Total cost of deliverables/ total produced | Average Cost of Each Process |

Note:

Category titles can be changed to reflect what specific variables are included your costing model.



Costing Model

(cont.)



Questions:

What Does Your
Program Do?

How Much Does
it Cost?

What is the
Unit Cost?

What is the
Total Cost?

How much is
produced

DATA

**Key
Business
Processes
Or Actions**

**Cost Of All
Associated
Resources**

**Expense
Per Business
Process Unit**

**Total Expense
Of Business
Process**

**Total Output
Of Business
Process**

EXAMPLE

Write Orders
Provide
Childcare

► Labor Cost
► Training Cost
► Travel Cost
► Etc.

► Annual Unit
Cost

► Total Annual
Cost

► Orders
Written
► # Children
Cared For

SAMPLE
METRIC

► Total Orders

► Total Labor

► Annual Cost

► Total Cost of

Written per
Year

Cost per Year

per Order
Written

all Orders Year
Written

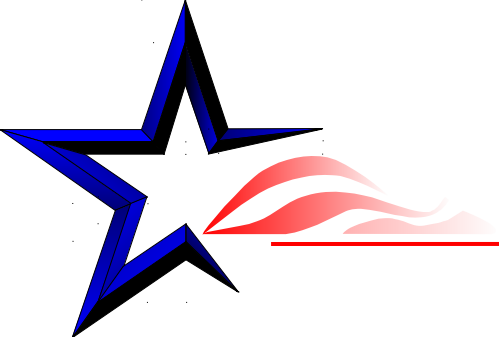
► Number Children
Supervised per
Year

► Total Training
Cost per Year
► Etc.

► Annual Cost
per Child
Supervised

► Total Cost of
all Children
Supervised

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Costing Model

(cont.)



Example of TEMDUINS of Model:

FY06 Submission Based on PCSVC Costing Data:

| | TEMDUINS | COUNTS | DAILY RATE | #DAYS | AVG EXP | TOTAL COST | |
|-----|-------------|--------|------------|-------|---------|------------|-------------------|
| 27% | Officers | 9,450 | 61.49 | 40 | 2,460 | 23,243,220 | |
| 73% | Enlisted | 25,550 | 34.98 | 49 | 1,714 | 43,793,211 | |
| | | | | | | | |
| | Total Moves | 35,000 | | | 1,915 | 67,025,000 | Required Funding |
| | | | | | | 38,902,000 | Available Funding |
| | | | | | | 28,123,000 | Unfunded |

The following are explanations of variables used in the model:

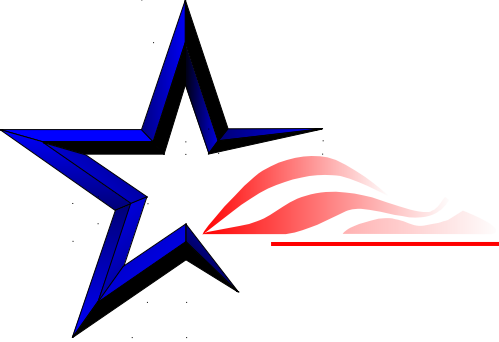
MOVE COUNTS: There is a percentage split between officer and enlisted moves. This is displayed in the left margin of the model. The historic split is 27%/73%. The overall move count is based on projected Operational, Rotational, and Training PCS readiness move projections.

DAILY RATE: Daily rate is defined as the “average daily per diem cost”.

The Daily Rate is comprised primarily of lodging (on-base quarters, off-base in hotels), meals and incidentals

AVERAGE EXPENDITURES – synonymous with average move cost.

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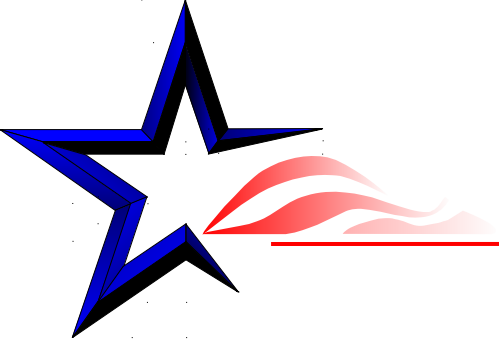
Return on Investment

Return on Investment (ROI)

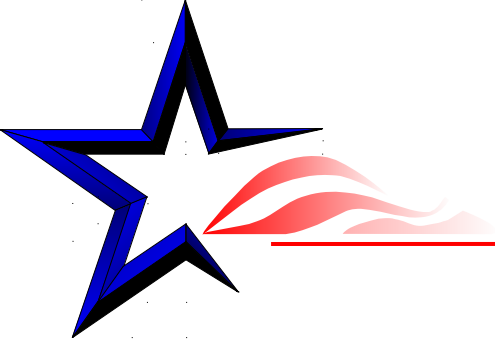


- Quantitative measures of performance/effectiveness. Show how performance will improve (how much faster, how many labor hours saved, how will this reduce dissatisfaction).
- For non-monetary benefits, if private sector studies, research and analysis are available that lends weight to the service or product your program provides, use this information in your ROI.

Example: Document the number of military personnel using recreational facilities (i.e. exercise facilities) then tie in private sector research that addresses the benefits of health and wellness program. Apply the percentages provided in those studies to the number of personnel using the facility to get a specific ROI

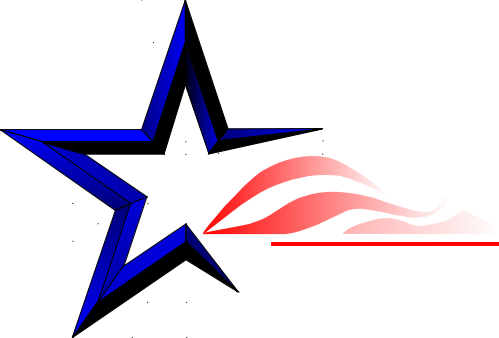


Program Review



Program Review

- Submission Guidelines
 - Program Description
 - Background
 - Costing Methodology
 - Program Assessment
 - Alternatives
 - Return on Investment



Program Review

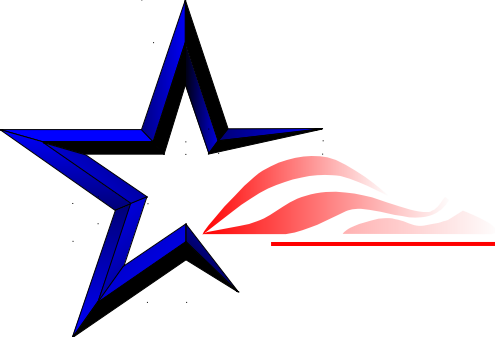
Program Description



Program Review

Program Description

- Provide a detail description of what your program/activities does; include mission statement with goals and objectives.
- State who you support, who are your customers and or, beneficiaries (e.g. Sailors, families, commands), and why do you perform the service you do.
- If your program/activity is IT related, ensure your description is such that a non-technical individual will have no difficulty in understanding.
- When describing your program, spell out all acronyms.



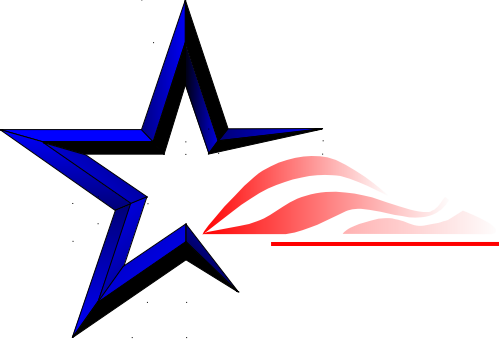
Program Description (cont.)

| Then year \$M | FY04 | FY05 | FY06 | FY07 | FY08 | FY09 | FY10 | FY11 |
|--|------|------|------|------|------|------|------|------|
| Program of Record (1 Oct 2003) | | | | | | | | |
| Program Requirement (Full Funding Alternative) | | | | | | | | |
| Requirement DELTA | | | | | | | | |
| Alternative One (Less Than Full Funding Alternative) | | | | | | | | |
| Alternative One DELTA | | | | | | | | |
| Alternative Two (Less Than Full Funding Alternative) | | | | | | | | |
| Alternative Two DELTA | | | | | | | | |

Program Type:

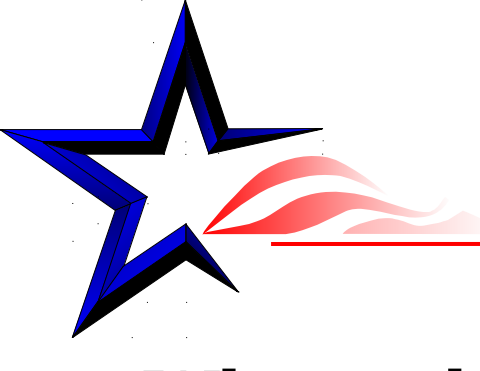
Level-of-Effort

Performance Measure



Program Review

Background



Program Review

Background

- What role does your issue play in overall Navy M&P strategy? Discuss connection to CNO's Strategic Objectives, CNP's Top Initiatives, DCNP/NPC Top Priorities, and/or Navy IT Strategic Objectives

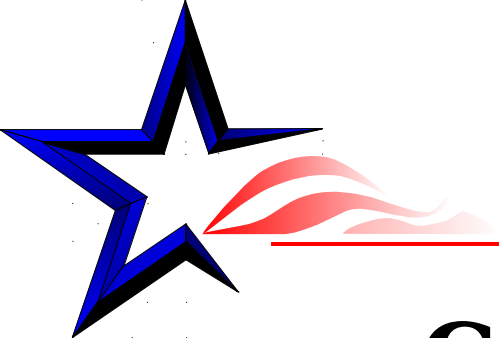


Program Review



CNO's Strategic Objectives

- Win the Global War on Terrorism
- Improve Readiness for global response
- Integrate Sea Strike, Sea Shield, and Sea Basing into the Joint Force
- Capture funds through Sea Enterprise to build a 375 ship Navy
- Develop the 21st century workforce



Program Review

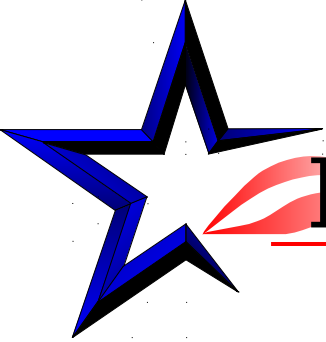
CNP's Top Initiatives

- Total Force Career Management
- Sea Warrior
- Total Force Manpower Requirements
- Force Shaping
- IM/IT Systems Migration



Program Review DCNP/NPC's Top Priorities

- Sea Warrior Integrated Delivery and Implementation
- N1 Legacy IT Migration
- Manning to Fleet Response Plan (FRP) Requirements /Alternative Manning Strategies / PCS and TEMDUINS
- Execution (Balanced Scorecard, metrics, resource alignment/realignment, execution discipline)
- Customer Relationship Mgmt (Integrating HR customer service, call center, web content mgmt, PASS/PAPA self-service, surveys, comms)



Program Review **Business Operations Top** **Priorities**

- Stand Up Shared Services at NPC (FM, Manpower/HR, IT, and Other Staff Functions)
- Prototype Activity Based Analysis for Shared Service Functions....All Business Lines Next Step
- Re-engineer Processes Through Standardization and Selective Technology to Increase Efficiencies
- Implement Balanced Scorecard
- Align Budget Process to BSC Strategic



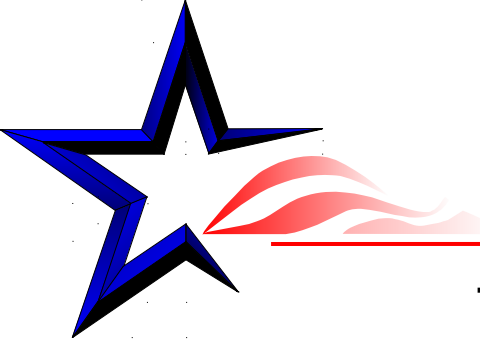
Program Review (cont.)

- State precisely what requested funding is to be used for (manpower, travel, contracts, equipment, etc.) .
- Environmental Factors contributing to program deficiency (Must funds/Bogey, unrealized savings, skunk works, IT transformational, experimentation, recapitalization, workload validation, PBD/PDM directives, budget marks, etc.). Additional impacts; New Congressional Mandate, Navy Policy, new business requirement, obsolete equipment (software, hardware), unable to get NMCI certification₃



Program Review

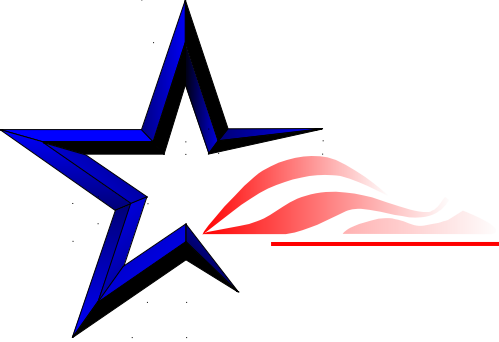
- Was this ~~Background (content)~~ in previous years?
- Provide any supporting evidence or letters to justify an increase requirement across the FYDP.
- If there was no POR funding in previous years, state how the program/activity was funded.



Program Review

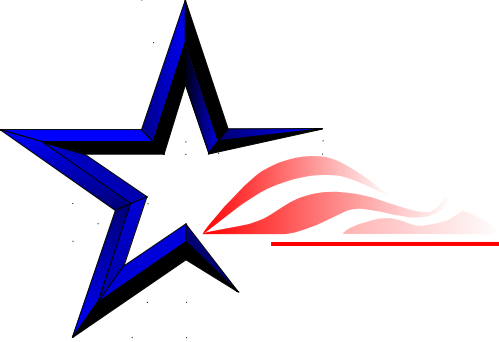
Background (cont.)

- If the program requirement is a modernization of a current process, provide an explanation of the old process.
- Explain any significant changes to your funding profile from one fiscal year to the next. Are there any one-time increases or decreases? If so, provide details (e.g. effort, funding, value, FY).



Program Review

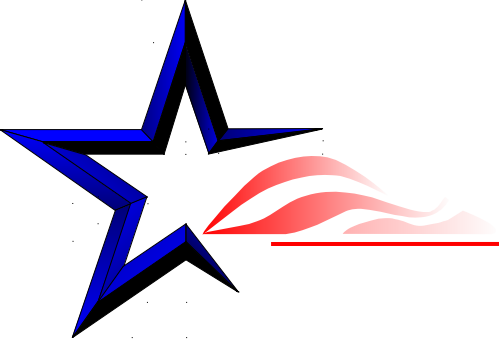
Costing Methodology



Program Review

Costing Methodology

- Address in terms of percentage how successful you are at achieving your stated goals. If your goals are currently being met, why is there an increase requirement to your program.
- Specifically list what you are obligating your funding on (manpower, space, equipment, contracts, travel, etc.) and then describe in detail (type, quantity, length, unit cost, total cost) precisely what you are procuring.



Program Review

Costing Methodology (cont.)

- Describe the rationale, assumptions and methodology used in costing the Program Requirement.
 - How did you calculate your funding requirements.
 - If you used a formal costing model, what model did you use?
 - Where possible develop a model and provide a description and definition of the variables used in the model.

A large blue star with a white center and a red and white flame-like graphic extending from its right side is positioned on the left side of the slide.

Program Review

• **Examples:** Costing Methodology (cont.)

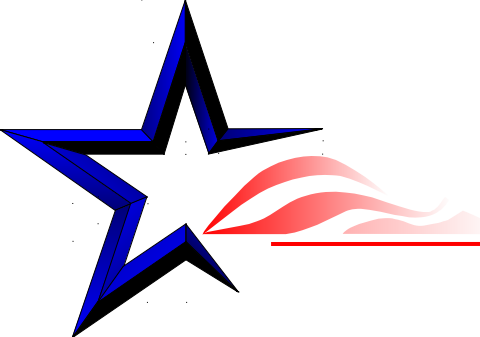
Contracts - provide specific type of services procured, type of skill sets (what position does), number of hours for each skill set (work years), hourly rate, total cost of each work year, etc.

Following are a sample of contracts:

- Advisory and Assistance Services
(Management and professional support services, studies, analyses, and evaluations, engineering and technical services, etc.)
- Operation and maintenance of facilities
- Research and Development
- Operation and maintenance of equipment

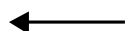
Equipment - type of equipment, quantity, unit

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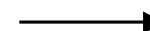


Costing Methodology (cont.)

RESOURCE MATRIX (Profile of POR & Unfunded)



ANNUAL TOTAL COST



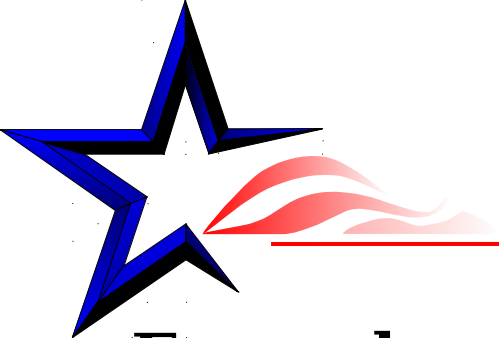
| RESOURCE CATEGORY | Type / Title | Qty / Total Hrs | Unit Cost | FY02 | FY03 | FY04 | FY05 | RESOURCE CATEGORY | Type / Title | Qty / Total Hrs | Unit Cost | FY06 |
|-------------------|--------------|-----------------|-----------|------------|------------|------------|------------|-------------------|--------------|-----------------|-----------|------------|
| Civilian Labor | | | | | | | | Civilian Labor | | | | |
| Contract Labor | | | | | | | | Contract Labor | | | | |
| NMCI | | | | | | | | NMCI | | | | |
| Travel | | | | | | | | Travel | | | | |
| Training | | | | | | | | Training | | | | |
| Equipment | | | | | | | | Equipment | | | | |
| Supplies | | | | | | | | Supplies | | | | |
| etc. | | | | | | | | etc. | | | | |
| TOTAL | | | | \$0 | \$0 | \$0 | \$0 | TOTAL | | | | \$0 |

Notes

- ① Insert additional resource categories as necessary.
- ② Large or multi-faceted cost-drivers such as labor and contracts should be
- ③ Total cost per fiscal year for all business processes should add to Program
- ④ "Qty/Hrs" in man-years for labor and contracts (optional).
- ⑤ "Type/Title" further defines resource category (optional).

Notes

- ① Insert additional resource categories as necessary.
- ② Large or multi-faceted cost-drivers such as labor and contracts sh
- ③ Total cost per fiscal year for all business processes should add to
- ④ "Qty/Hrs" in man-years for labor and contracts (optional).
- ⑤ "Type/Title" further defines resource category (optional).



Costing Methodology



Example of TEMDUINS Resource Matrix:

RESOURCE MATRIX (Profile of POR & Unfunded)

← ANNUAL TOTAL COST →

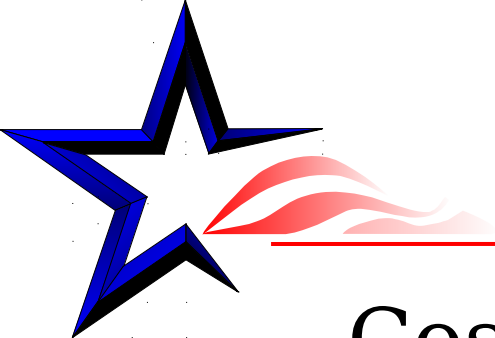
| RESOURCE CATEGORY | Type / Title | Qty / Total Hrs | Unit Cost | FY01 | FY02 | FY03 | FY04 | RESOURCE CATEGORY | Type / Title | Qty / Total Hrs | Unit Cost | FY05 |
|-------------------|--------------|-----------------|-----------|------------|------------|------------|---------------------|-------------------|--------------|-----------------|-----------|---------------------|
| Civilian Labor | | | | | | | | Civilian Labor | | | | |
| Contract Labor | | | | | | | | Contract Labor | | | | |
| Travel | Move Count | 20,393 | \$1,808 | | | | \$36,870,544 | Travel | Move Count | 35,000 | \$1,915 | \$67,025,000 |
| Training | | | | | | | | Training | | | | |
| Equipment | | | | | | | | Equipment | | | | |
| Supplies | | | | | | | | Supplies | | | | |
| etc. | | | | | | | | etc. | | | | |
| TOTAL | | | | \$0 | \$0 | \$0 | \$36,870,544 | TOTAL | | | | \$67,025,000 |

Notes

- ① Insert additional resource categories as necessary.
- ② Large or multi-faceted cost-drivers such as labor and contracts should be expanded.
- ③ Total cost per fiscal year for all business processes should add to Program of Record.
- ④ "Qty/Hrs" in man-years for labor and contracts (optional).
- ⑤ "Type/Title" further defines resource category (optional).

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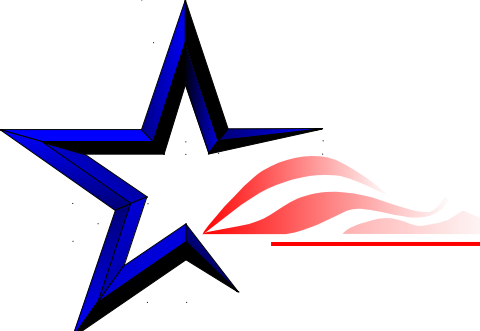


Program Review

Costing Methodology (cont.)

Developing a Costing Model

| Business Process | Resources | Period of Time | Average Expense | Total Cost of Deliverables | Process Cost |
|--|-------------------------------------|----------------------|---|--|------------------------------|
| Number and Type of Key Business Process/Action | Number/Type/ Unit Cost of Resources | Min, Hrs, Days, etc. | Average quantity produced/served/ payments made | Total cost of deliverables/ total produced | Average Cost of Each Process |



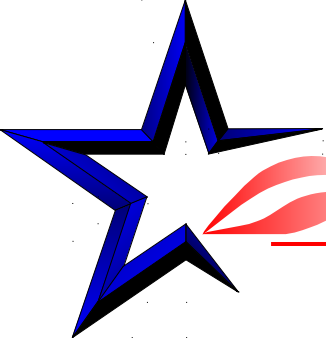
Program Review

Costing Methodology (cont.)

- If you are requesting manpower, state whether your end strength requirement has been validated and precisely what the job description is for each position.

Bottom Line

- Make sure all of your planned expenditures are included in your costing methodology and that you specifically define what you are procuring.



Program Review

Program Assessment



Program Review

Program Assessment

- Provide rationale for funding the program requirement. What will you accomplish with the funding?
- Provide sources of information for reporting metrics. How did you get your metrics data (research at site, surveys, hire contractor to provide, industry benchmark, etc.)?
- Provide performance measurements with definition and formula(s), output or outcome goals (capabilities based) with target dates for program requirement. Show how performance will improve (how much faster, how many labor hours saved, etc.)



Program Review



Program Assessment (cont.)

Metrics Template

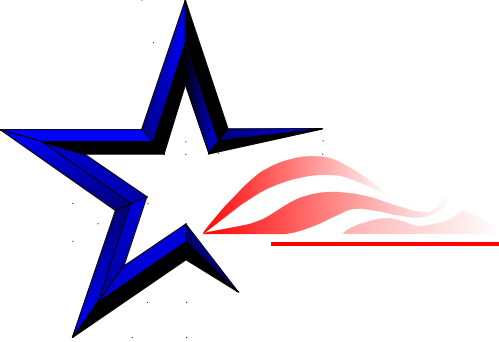
| Year | Actions taken | Number of actions accomplished | Cost | Average Cost |
|------|---------------|--------------------------------|------|--------------|
|------|---------------|--------------------------------|------|--------------|



Program Review

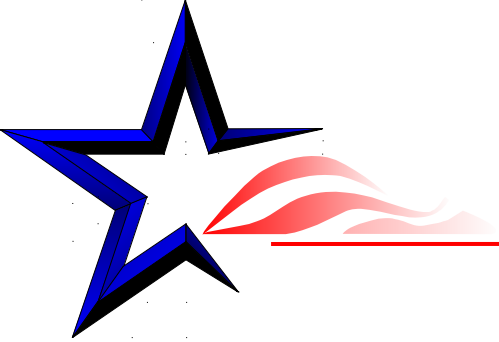
~~Program Assessment~~ (cont.)

- Provide metrics and capabilities associated with this program and how they will change as a consequence of funding to the full program requirement (low risk). Metrics are quantitative measures of performance/effectiveness (units provided/produce, number of customers serviced, process times, hours of services, unit costs ect.). Are your average unit costs (in performance criteria) consistent from year to year? If not, explain.



Program Review

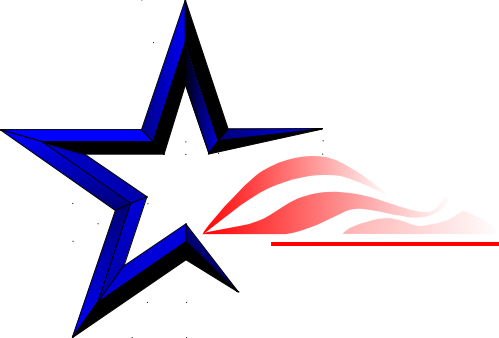
Alternatives



Program Review

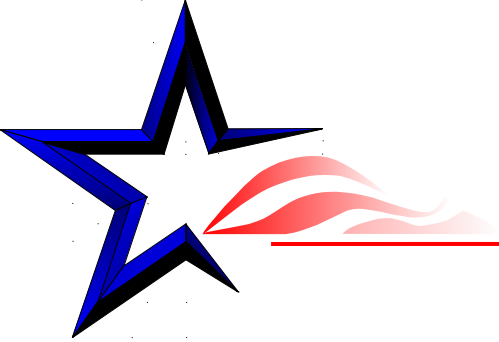
Alternatives

- Provide corresponding *funding* alternatives, short of funding to the full requirement for your program/activity, along with associated cost.
- Address how metrics and capabilities will change as a consequence of alternative funding levels.
- Are there alternative sources (other government or private entities) which currently do what you are doing and at what cost (use benchmarks if available)?



Program Review

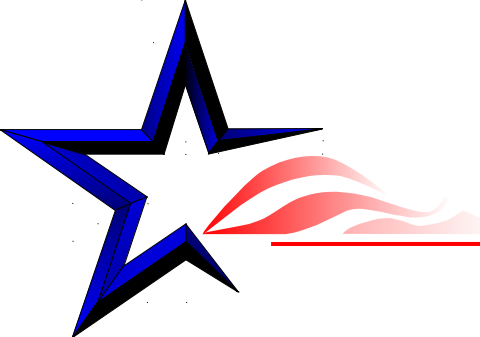
Risk Assessment



Program Review

Risk Assessment

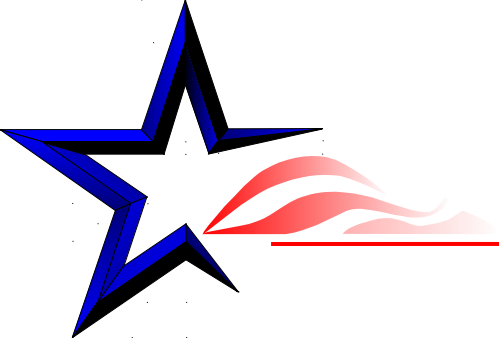
- Discuss impacts of funding/not funding the Program Requirement and Alternatives. Characterize risk as based upon the impact on metrics/capabilities.
- What are you unable to do as a result of the deficiencies? Provide a good justification for the risk. What were the numbers before and what are the numbers now?
- What does the current POR support (across the FYDP)?
- Assess risk as low, medium, or high



Program Review

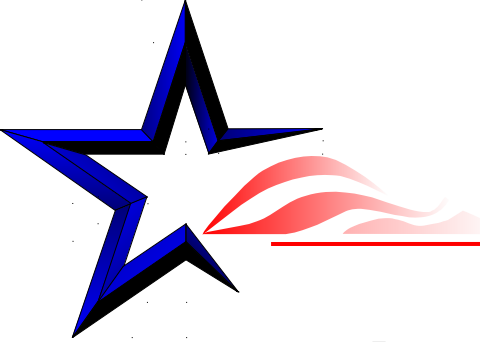
Risk Assessment (cont.)

- Assess risk as low, medium, or high: “Risk is defined as follows”
 - Low (green): Program of Record (POR) is adequate or has excess capacity, and may be considered for potential offsets.
 - Moderate (yellow): Action required to increase size/scope of program.
 - High (red): Program is not sustainable at current level of funding or manning. FY-06 issue OR cannot be delayed until next cycle. May include fact-of-life pricing shortfall.”



Program Review

Return on Investment (ROI)



Program Review

Return on Investment (ROI)

- Provide ROI/offsets if possible, even if they fall outside the program of record. Productivity enhancement, improved service levels, reduced cycle time. Use **quantitative measures** of performance/effectiveness. Show how performance will improve (how much faster, how many labor hours saved, how will this reduce dissatisfaction).
- Explain the relationship between performance and benefits to DON.



Program Review

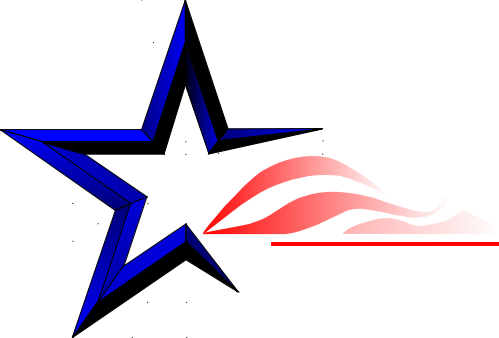
Return on Investment (ROI)

(cont.)

- For non-monetary benefits, if private sector studies, research and analysis are available that lends weight to the service or product your program provides, use this information in your ROI.

Example: Document the number of military personnel using recreational facilities (i.e. exercise facilities) then tie in private sector research that addresses the benefits of health and wellness program. Apply the percentages provided in those studies to the number of personnel using the facility to get a specific ROI.

- Address impact of offsets.



Summary

- **Use the Balance Scorecard (BSC) to assess your program/activity**
- **Build valid metrics**
- **Develop Costing Models or Costing Methodology**
- **Determine ROI and where possible, provide quantifiable support data (using metrics, benchmarking, etc.)**
- **Construct Program Review Paper including all of the above**